

Drug Analysis Laboratory
IR Spectrophotometer
Monthly QC

Name & Model # : _____

Serial #: _____

A. Frequency Check - Polystyrene (Bi-monthly):

2850 \pm 6 cm^{-1}
1601 \pm 3 cm^{-1}
907 \pm 3 cm^{-1}

Date: _____
1

B. 100% Line (FTIR Only) (Bi-monthly):

_____ cm^{-1}
_____ cm^{-1}

C. Alignment (FTIR Only):

1. Background Profile (Monthly)
2. Interferogram (Quarterly)

D. Photometric Reproducibility (Monthly):

(Scans must be within 2% of reproducibility)

E. Baseline Stability (Quarterly):

(< 5% between 4000 cm^{-1} and 650 cm^{-1})

F. Resolution (Quarterly):

(Presence of a smaller peak on the low frequency side of 1601 peak)

G. Cocaine HCL / Cocaine Base Scans (Quarterly):

Cocaine HCL
(\pm 5 cm^{-1})

1736
1710
1276
1111

1739
1708
1276
1110
713

QC Review: _____

QA Review: _____

Drug Analysis Laboratory
IR Spectrophotometer
Monthly QC

Month/Year: _____

Operator: _____

Date: _____
2

Cocaine Base
(\pm 5 cm^{-1})

Name & Model # : _____

Serial #: _____

A. Frequency Check - External Polystyrene (Bi-annually):

2850 \pm 2 cm⁻¹

1601 \pm 2 cm⁻¹

907 \pm 2 cm⁻¹

Date: _____

1

B. Frequency Check - Internal Polystyrene (Bi-monthly):

2850 \pm 2 cm⁻¹

1601 \pm 2 cm⁻¹

907 \pm 2 cm⁻¹

Date: _____

1

C. Cocaine HCL / Cocaine Base Scans (Quarterly):

Cocaine HCL
(\pm 5 cm⁻¹)

1736
1710
1276
1111

1739
1708
1276
1110
713

Month/Year: _____

Operator: _____

Date: _____

2

Date: _____

2

Cocaine Base
(\pm 5 cm 3)

QC Review: _____

QA Review: _____